

Figure 1

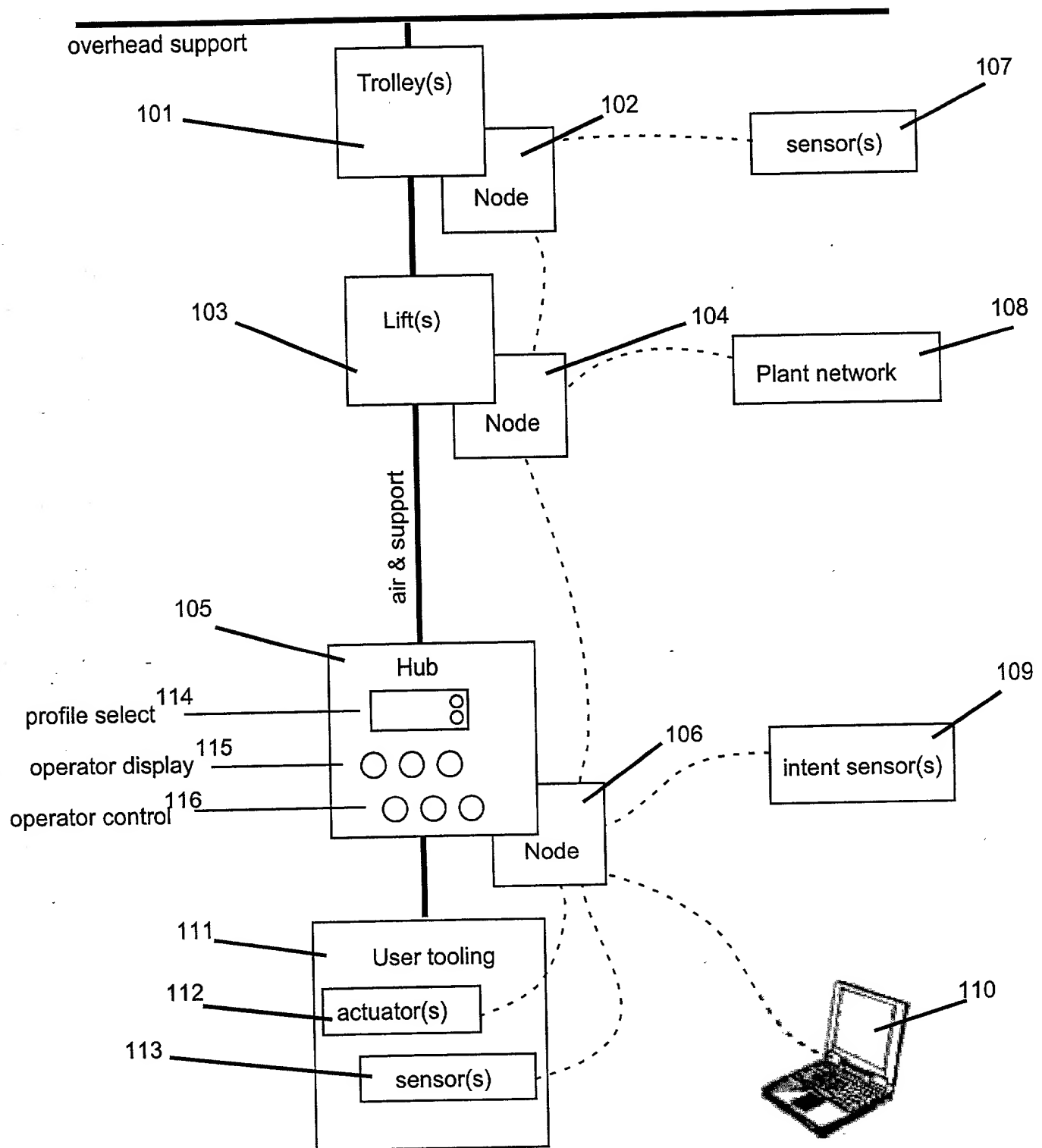


Figure 2

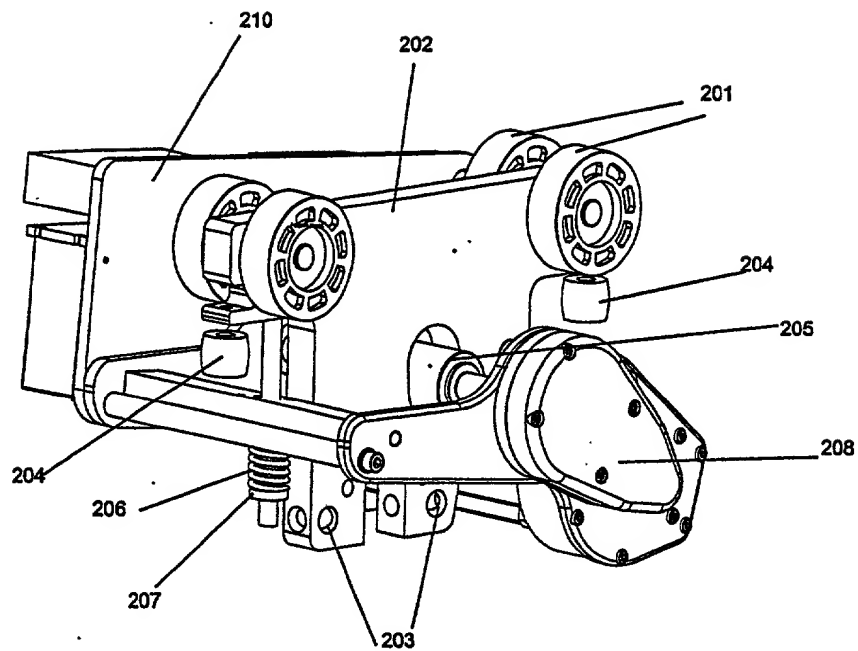


Figure 3

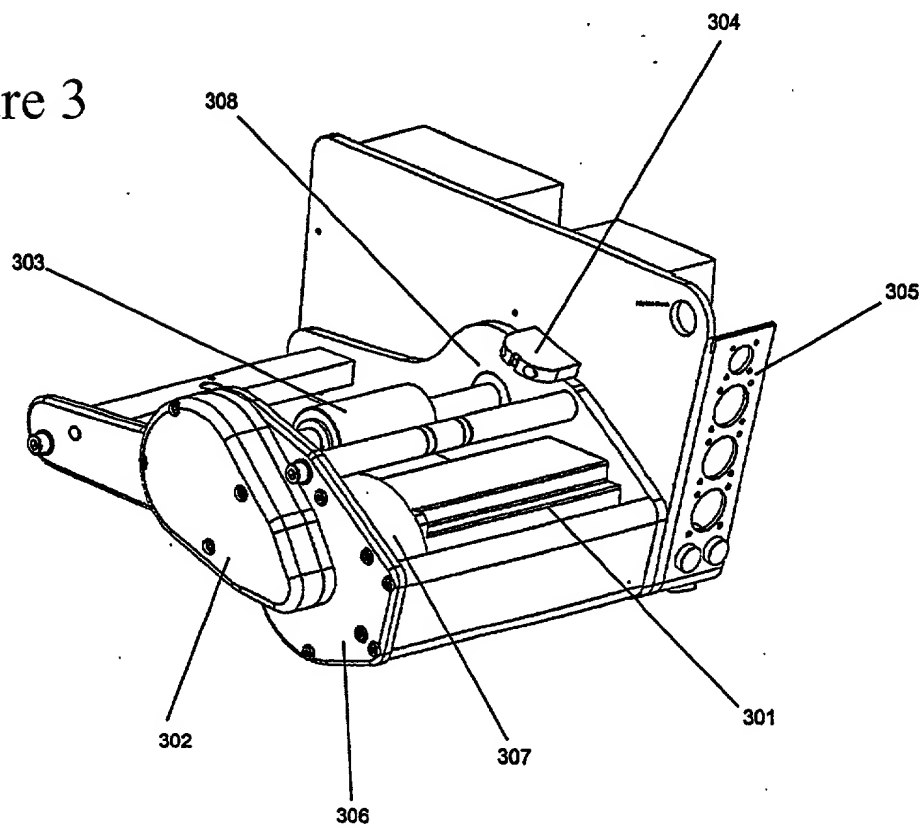


Figure 4

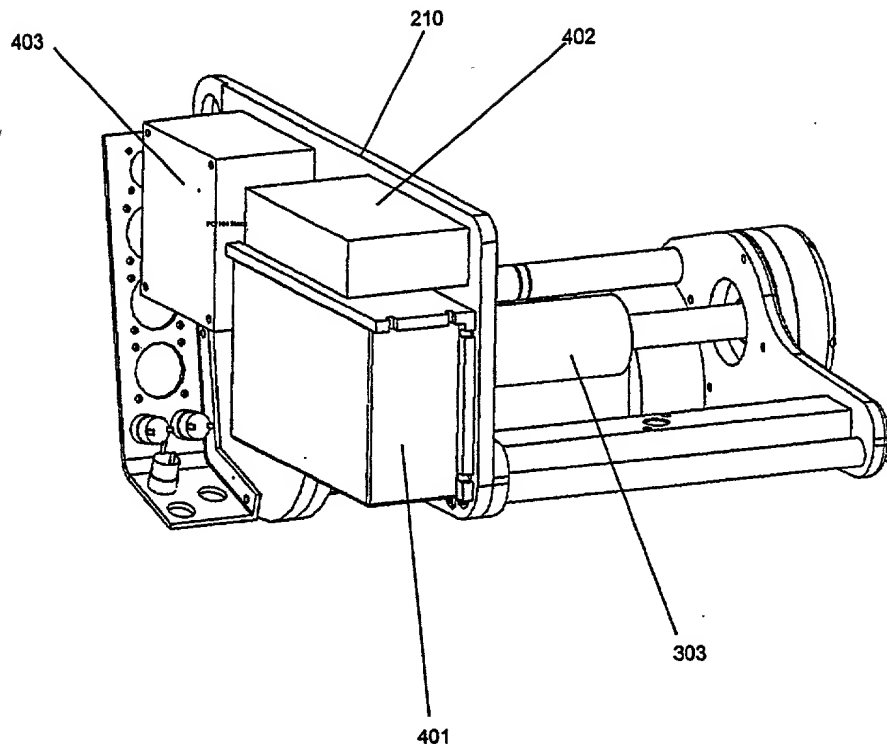


Figure 5

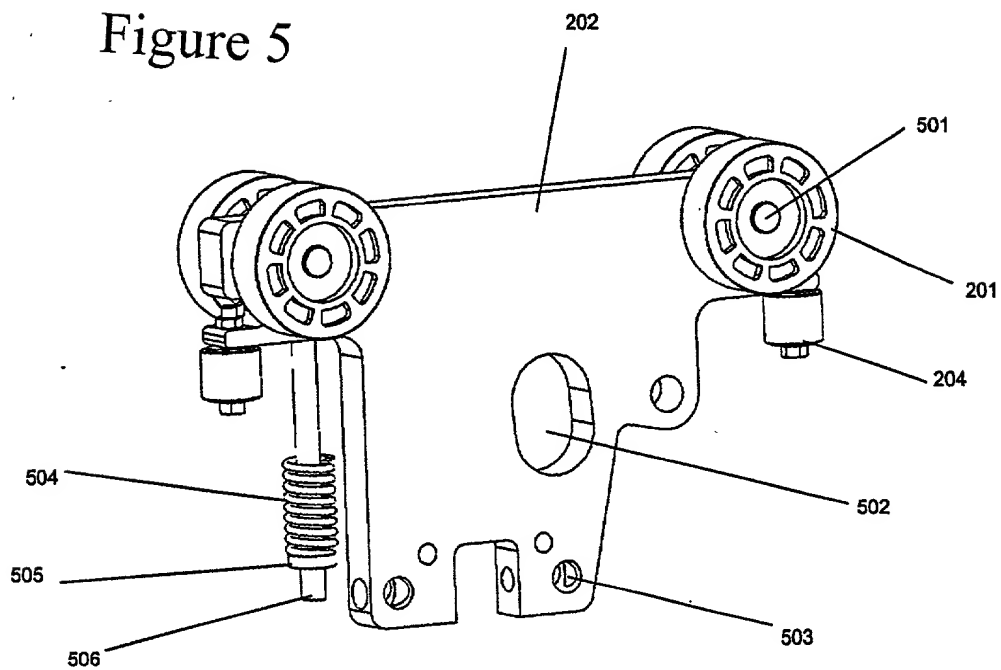


Figure 6

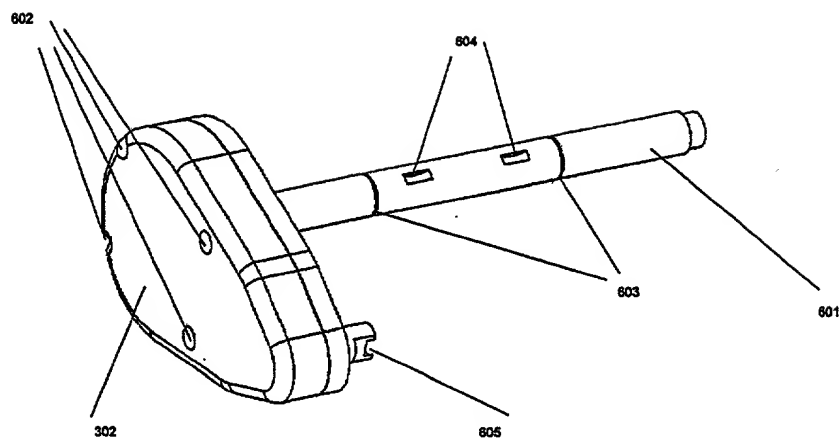


Figure 7

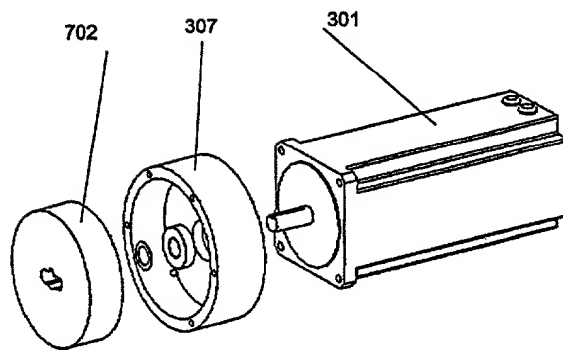


Figure 8

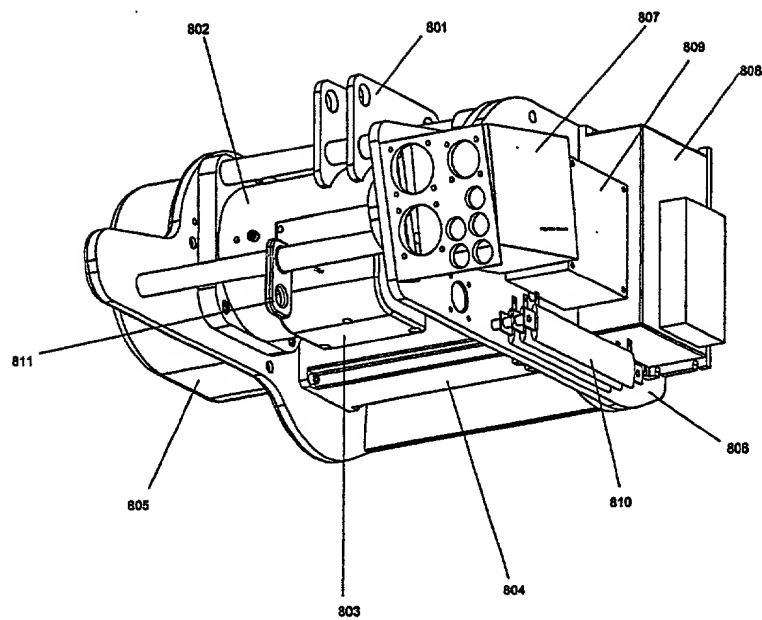


Figure 9

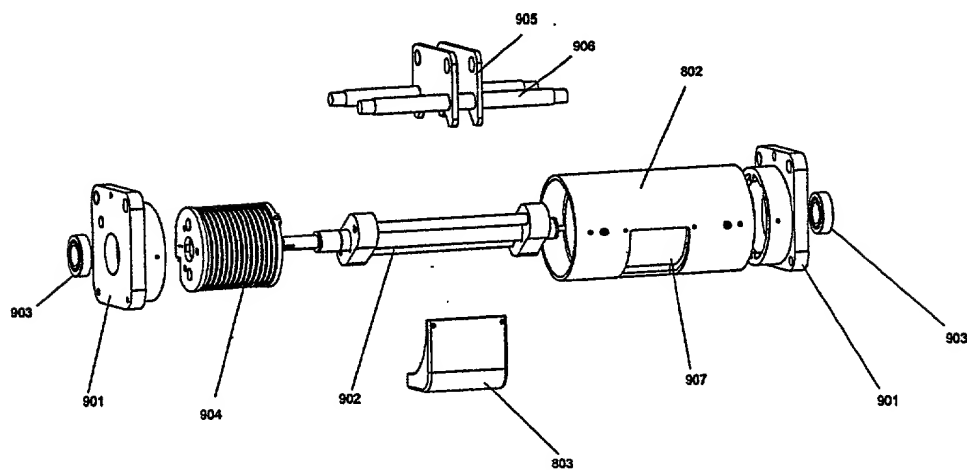


Figure 10

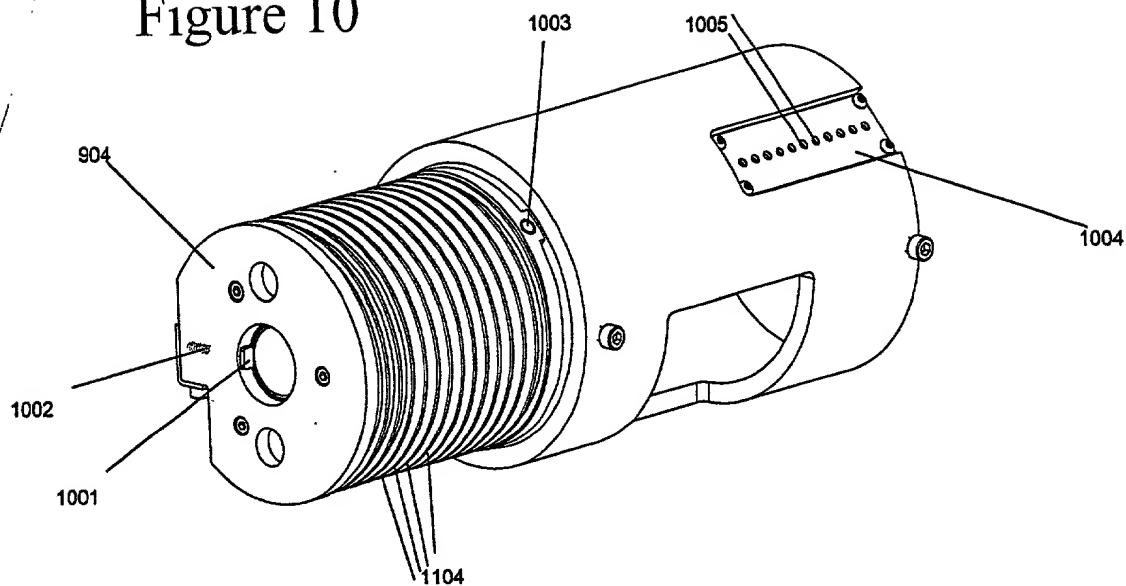


Figure 11

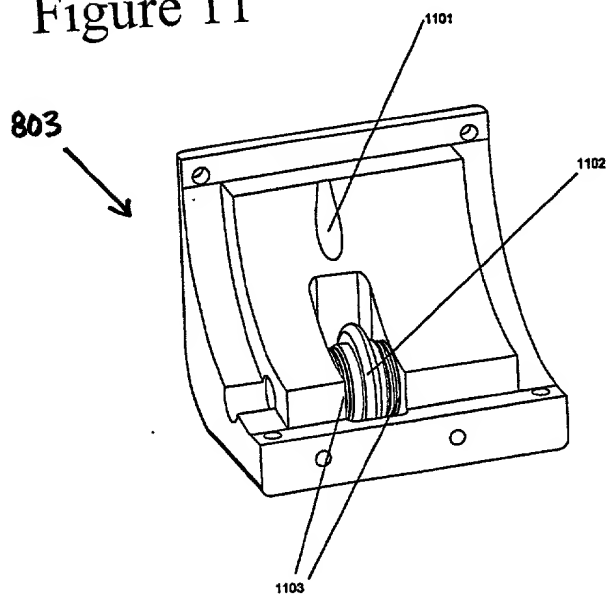


Figure 12

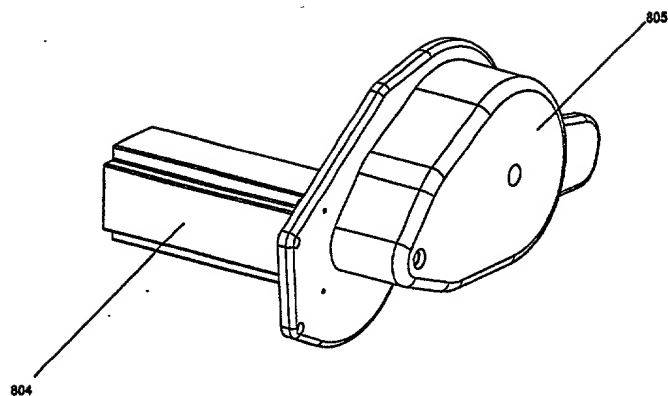


Figure 13

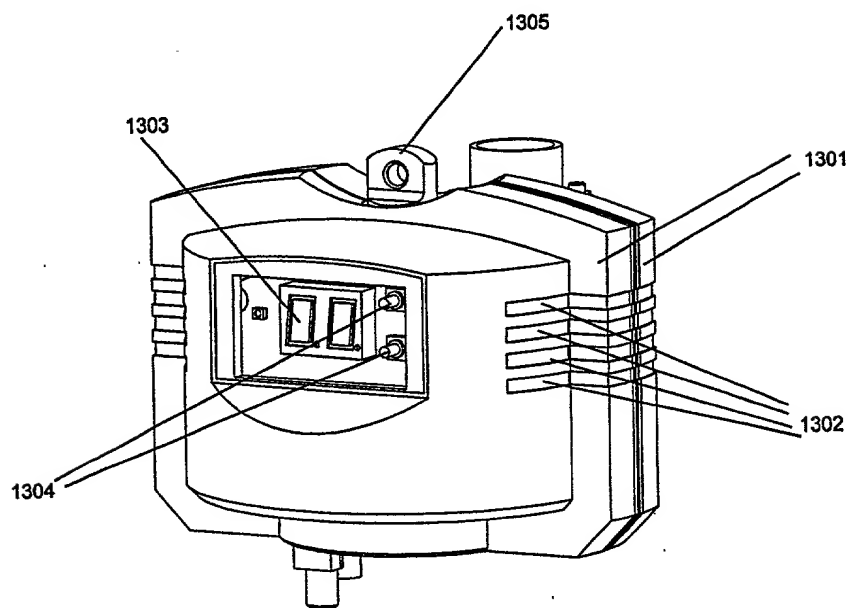


Figure 14

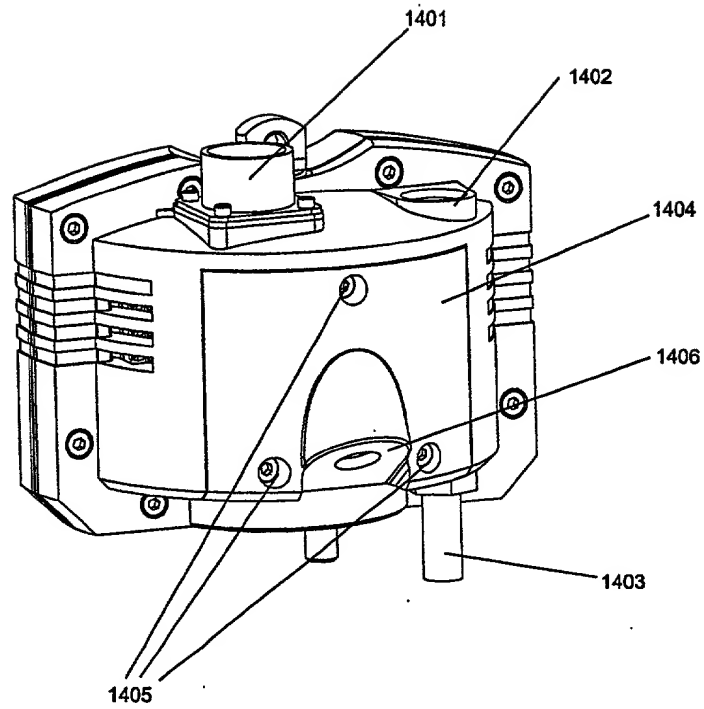


Figure 15

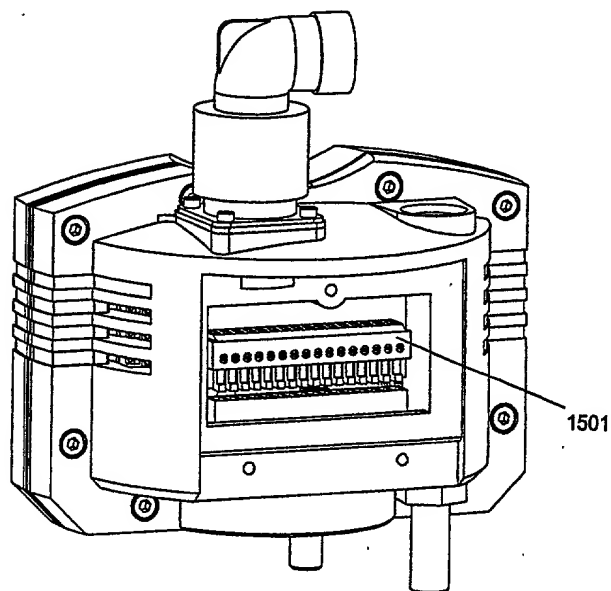


Figure 16

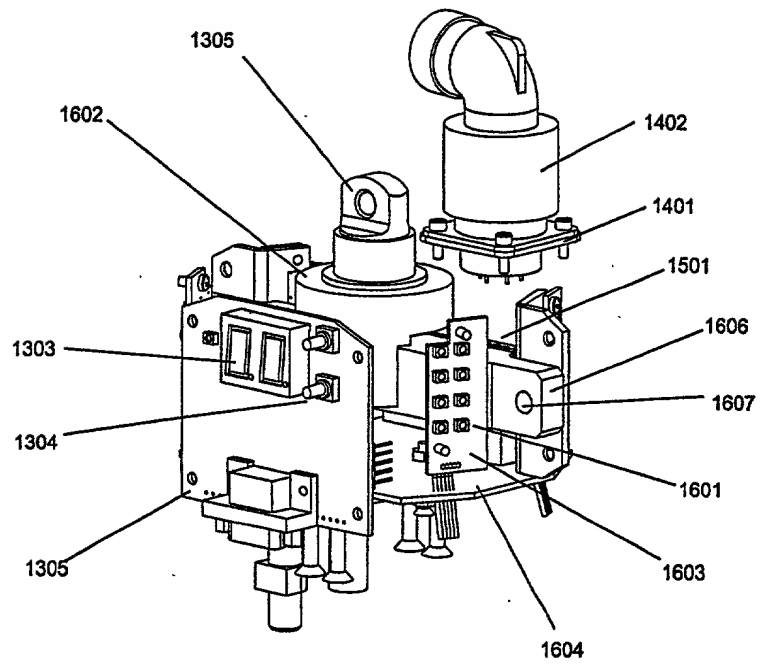


Figure 17

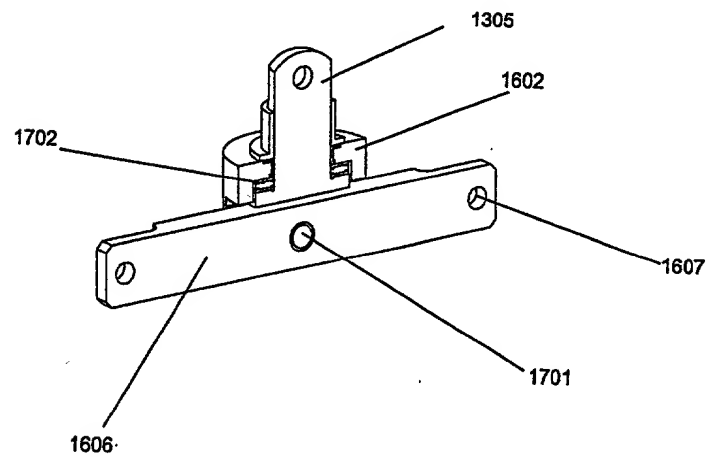


Figure 18

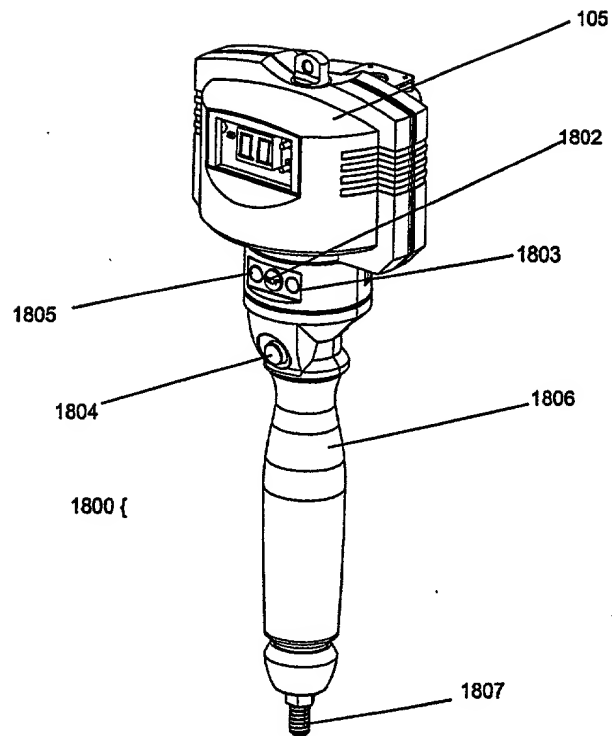


Figure 19

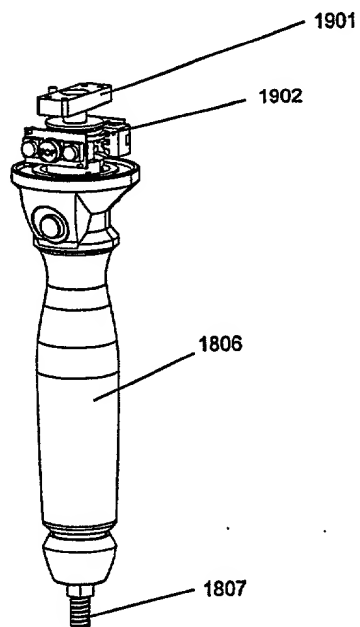


FIGURE 20a

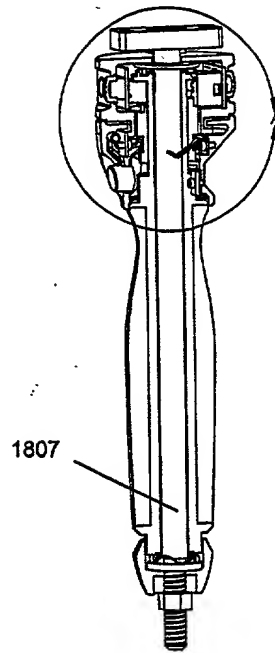


FIGURE 20b

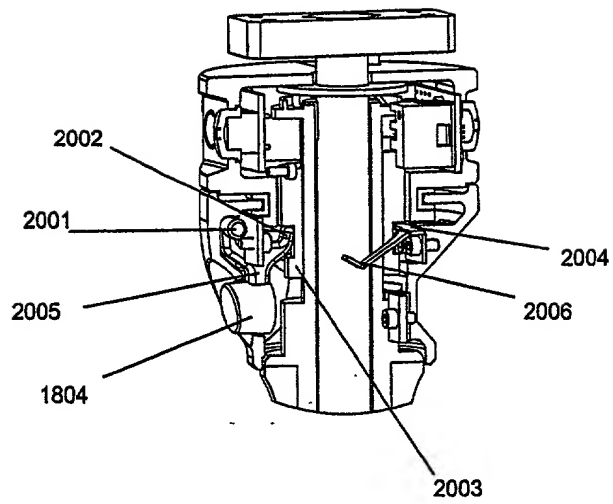


Figure 21

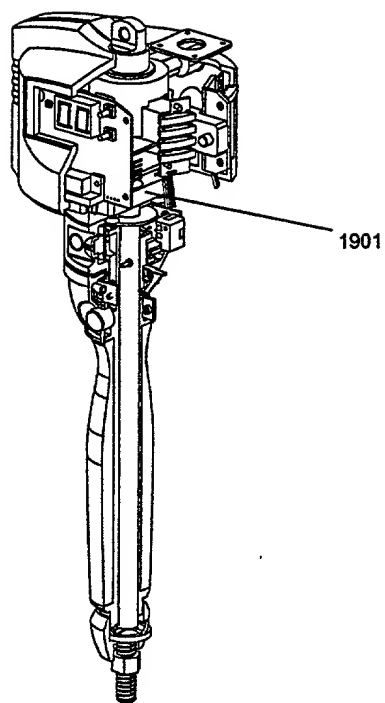


Figure 22

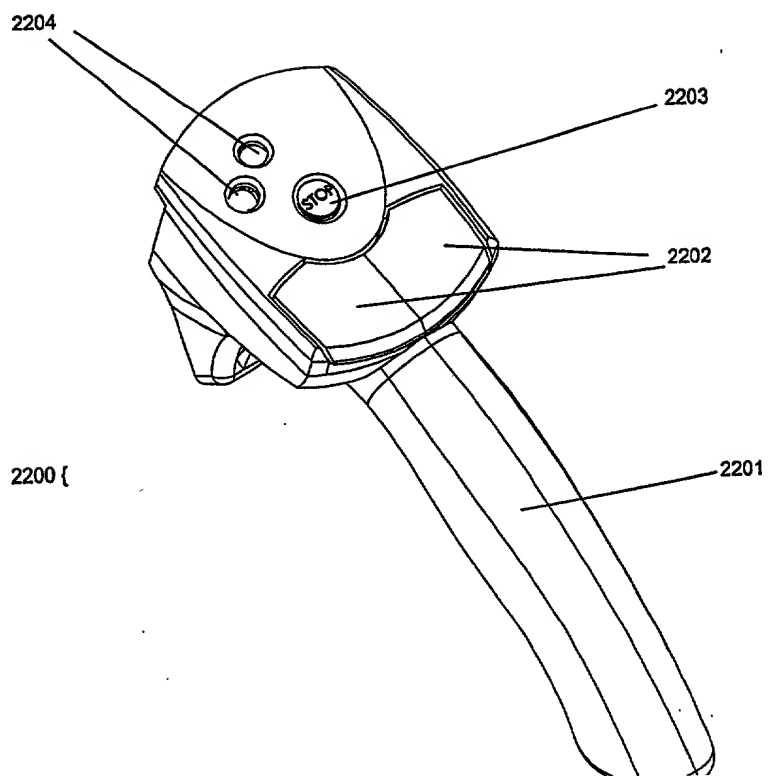
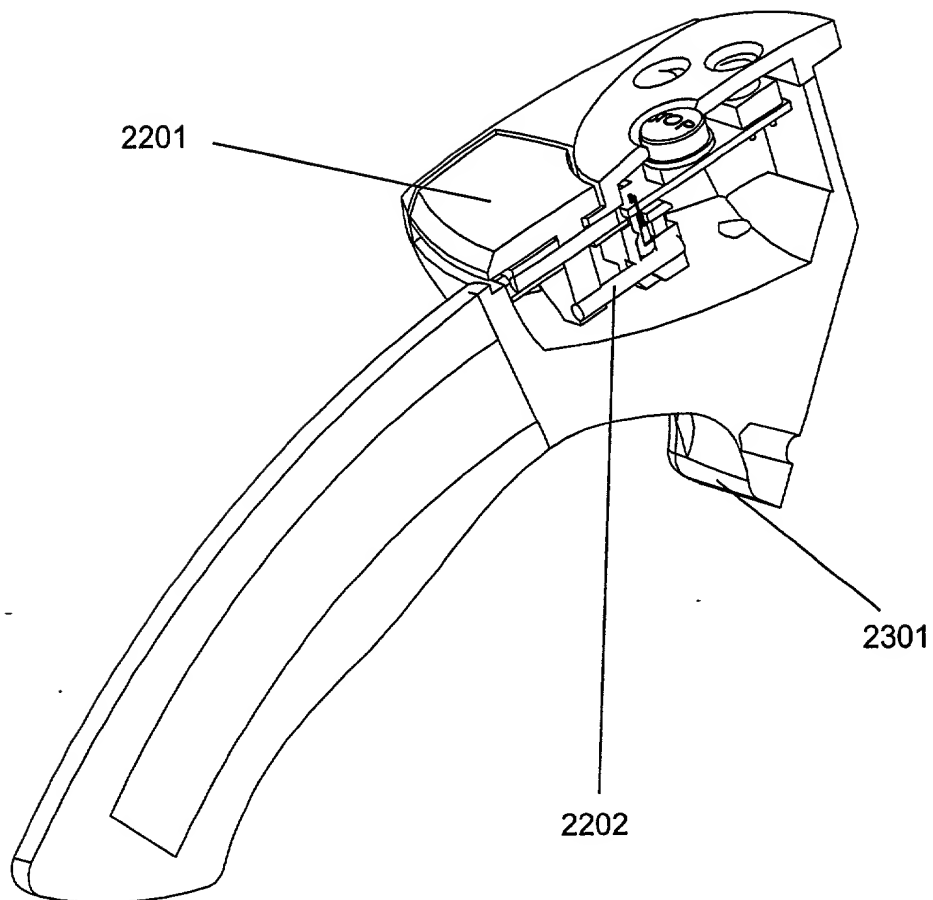
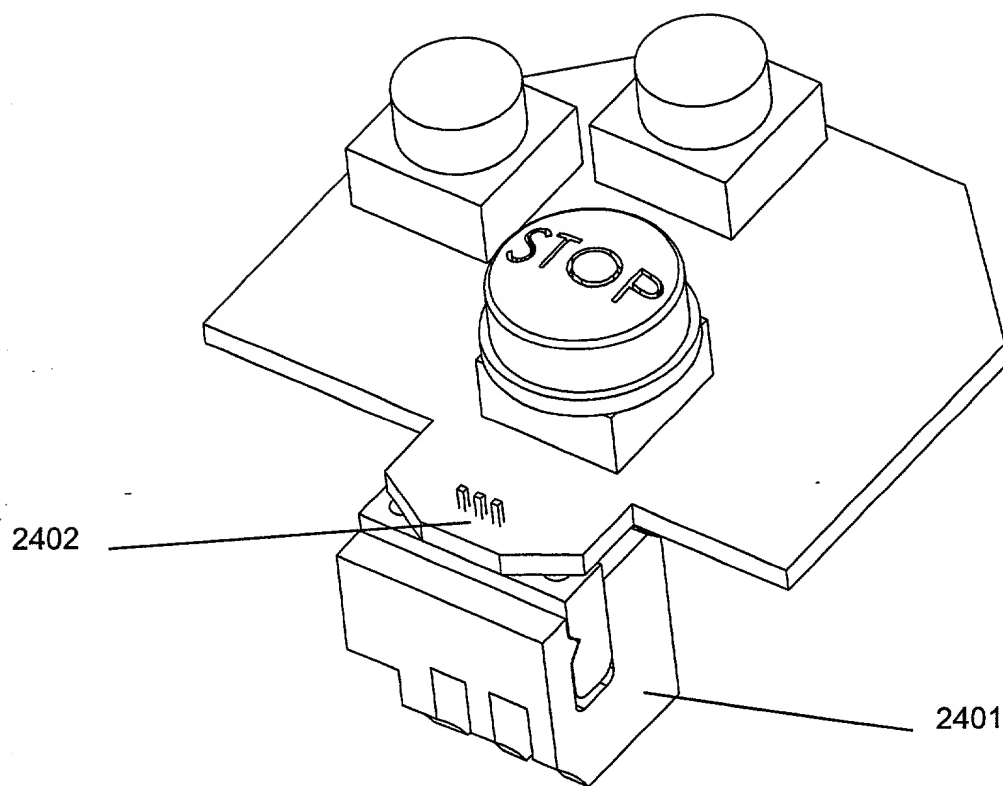


Figure 23



09781801.021201
T02T20 T08T8/60

Figure 24



09781801-001804
T02120 T0818260

Figure 25

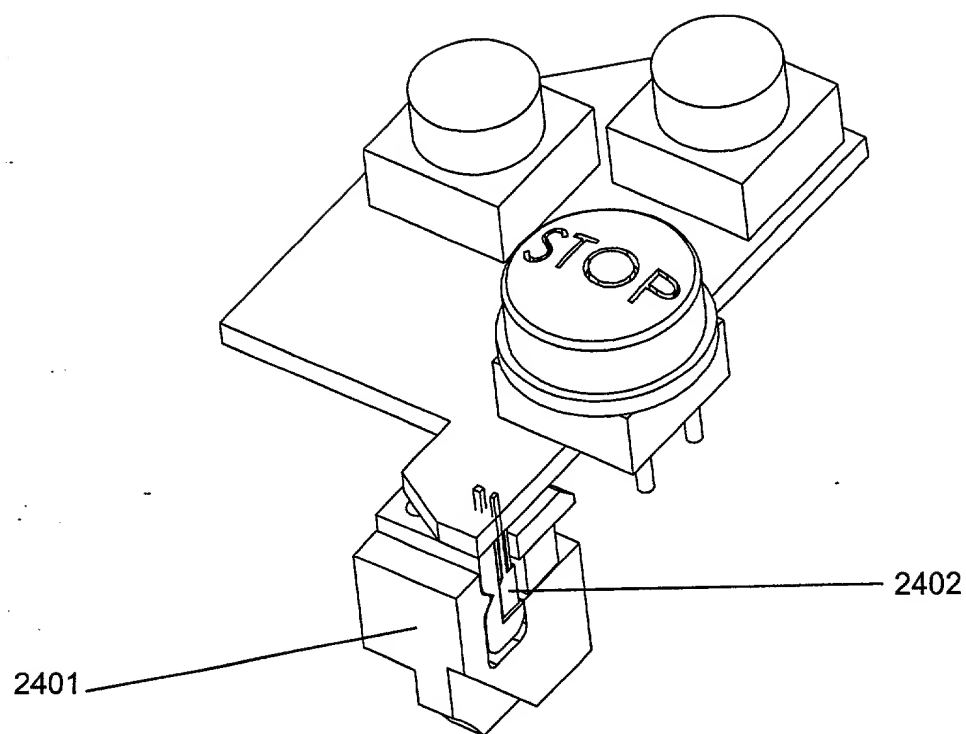


Figure 26

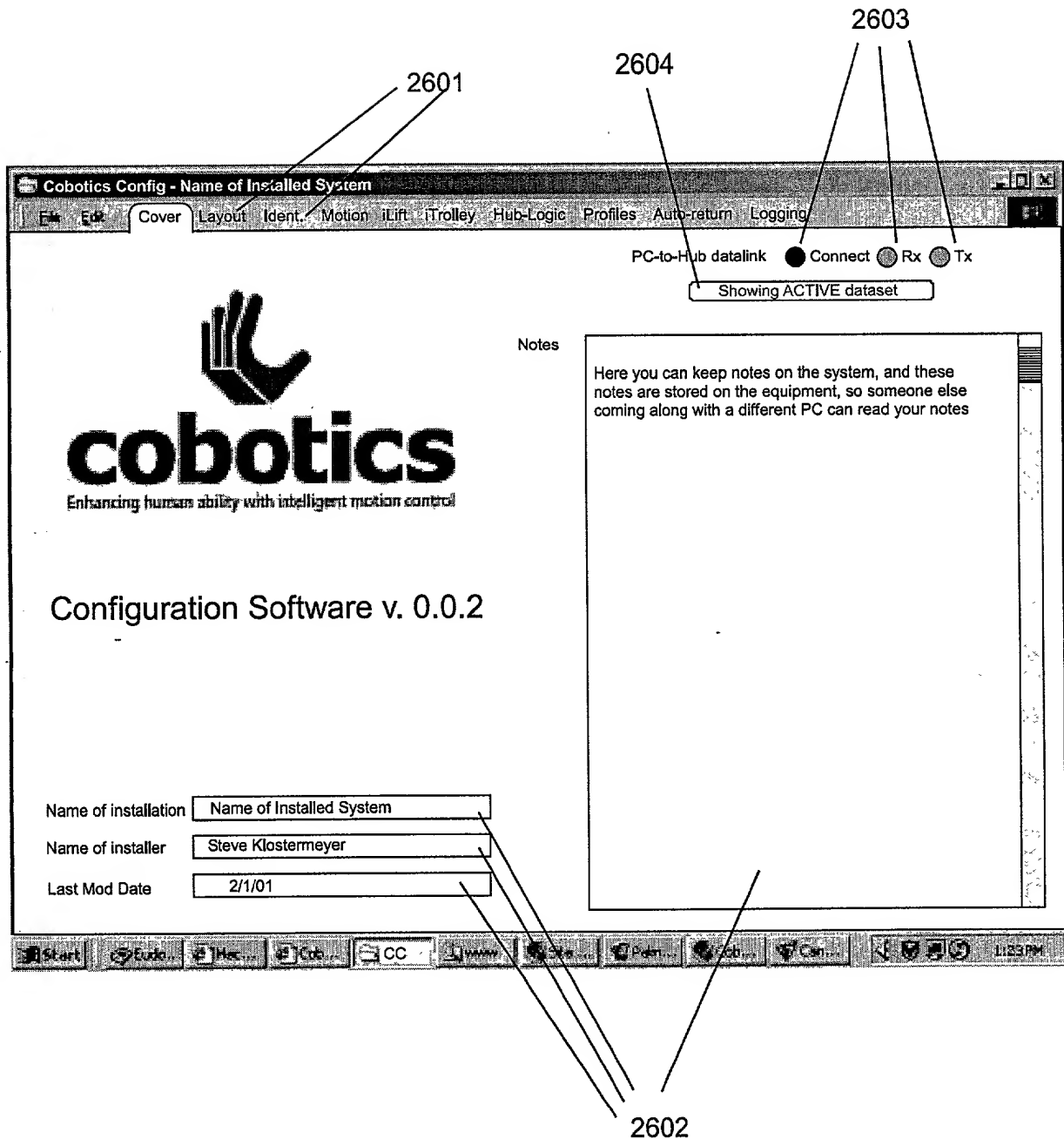


Figure 27

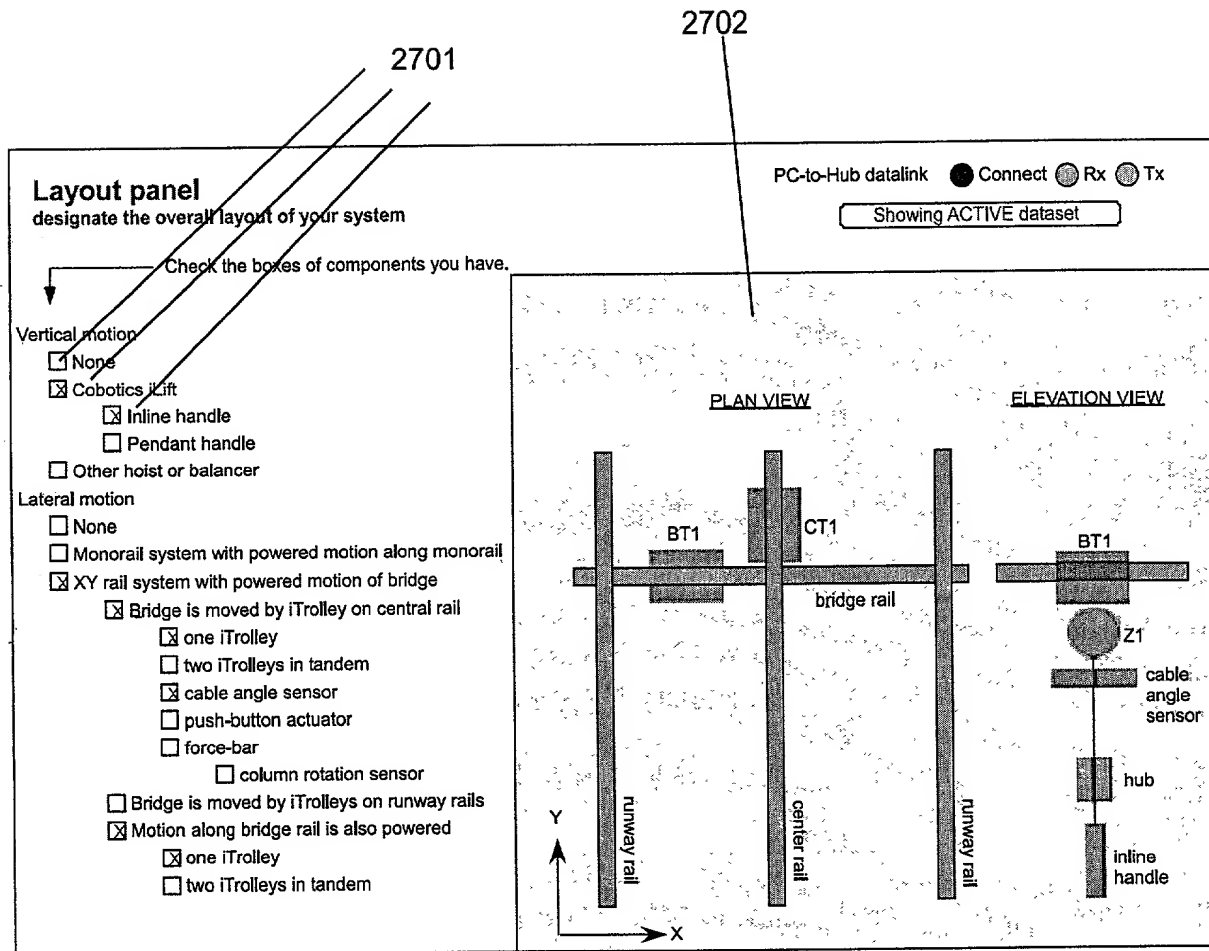


Figure 28

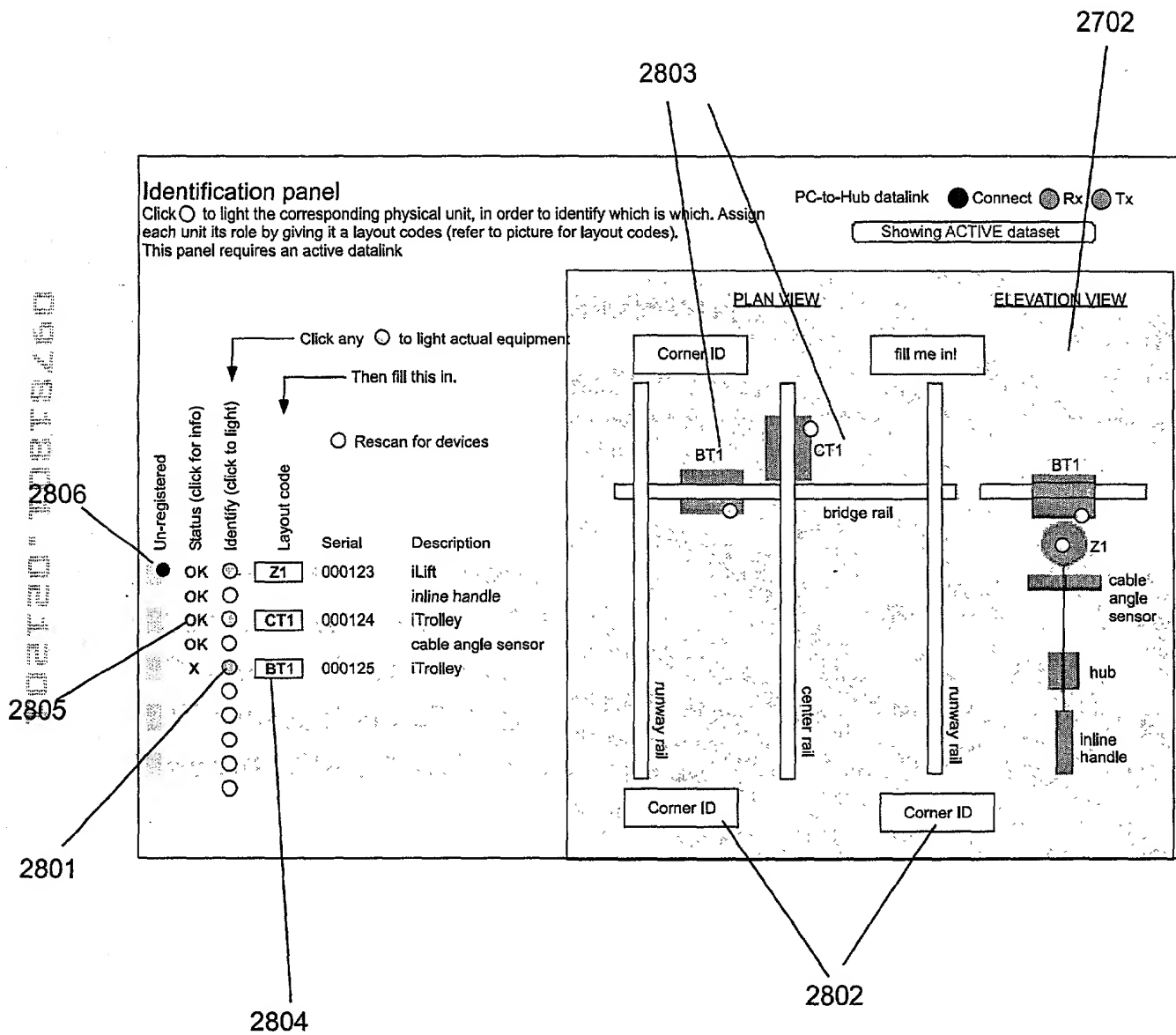


Figure 29

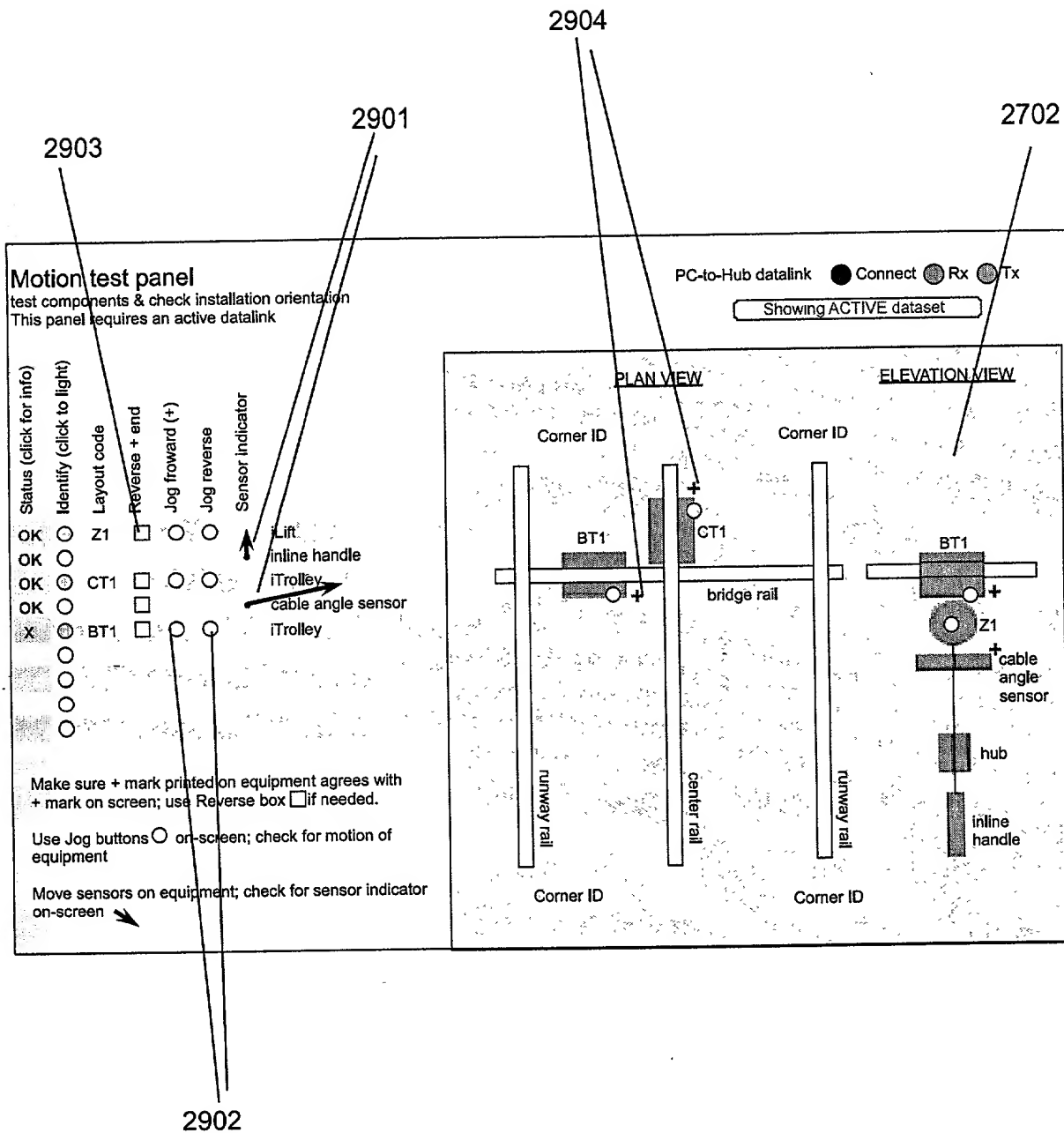


Table 1. Continued	
1.00	0.00
0.99	0.01
0.98	0.02
0.97	0.03
0.96	0.04
0.95	0.05
0.94	0.06
0.93	0.07
0.92	0.08
0.91	0.09
0.90	0.10
0.89	0.11
0.88	0.12
0.87	0.13
0.86	0.14
0.85	0.15
0.84	0.16
0.83	0.17
0.82	0.18
0.81	0.19
0.80	0.20
0.79	0.21
0.78	0.22
0.77	0.23
0.76	0.24
0.75	0.25
0.74	0.26
0.73	0.27
0.72	0.28
0.71	0.29
0.70	0.30
0.69	0.31
0.68	0.32
0.67	0.33
0.66	0.34
0.65	0.35
0.64	0.36
0.63	0.37
0.62	0.38
0.61	0.39
0.60	0.40
0.59	0.41
0.58	0.42
0.57	0.43
0.56	0.44
0.55	0.45
0.54	0.46
0.53	0.47
0.52	0.48
0.51	0.49
0.50	0.50
0.49	0.51
0.48	0.52
0.47	0.53
0.46	0.54
0.45	0.55
0.44	0.56
0.43	0.57
0.42	0.58
0.41	0.59
0.40	0.60
0.39	0.61
0.38	0.62
0.37	0.63
0.36	0.64
0.35	0.65
0.34	0.66
0.33	0.67
0.32	0.68
0.31	0.69
0.30	0.70
0.29	0.71
0.28	0.72
0.27	0.73
0.26	0.74
0.25	0.75
0.24	0.76
0.23	0.77
0.22	0.78
0.21	0.79
0.20	0.80
0.19	0.81
0.18	0.82
0.17	0.83
0.16	0.84
0.15	0.85
0.14	0.86
0.13	0.87
0.12	0.88
0.11	0.89
0.10	0.90
0.09	0.91
0.08	0.92
0.07	0.93
0.06	0.94
0.05	0.95
0.04	0.96
0.03	0.97
0.02	0.98
0.01	0.99
0.00	1.00

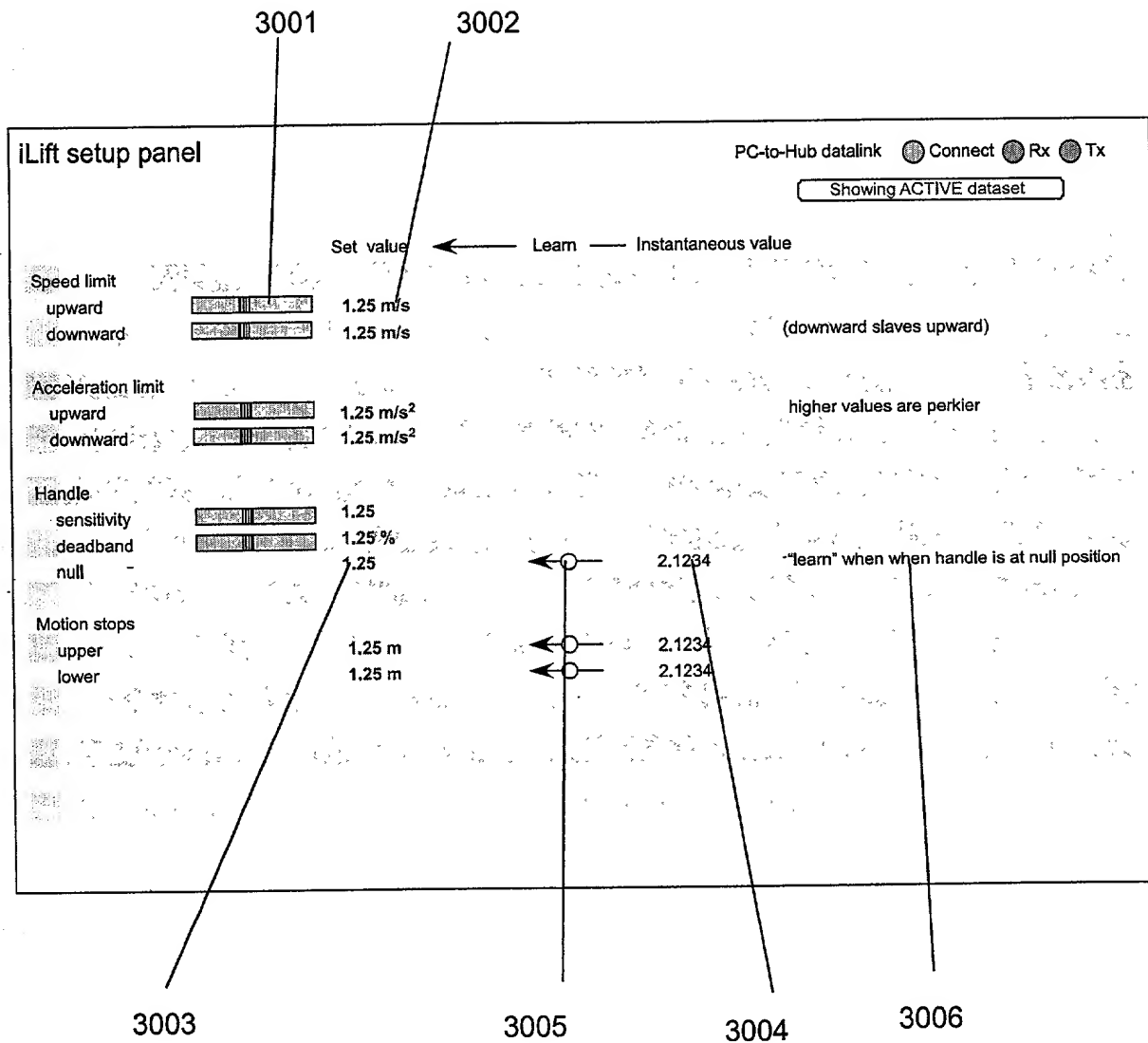


Figure 31

3100 {

Lateral motion setup panel

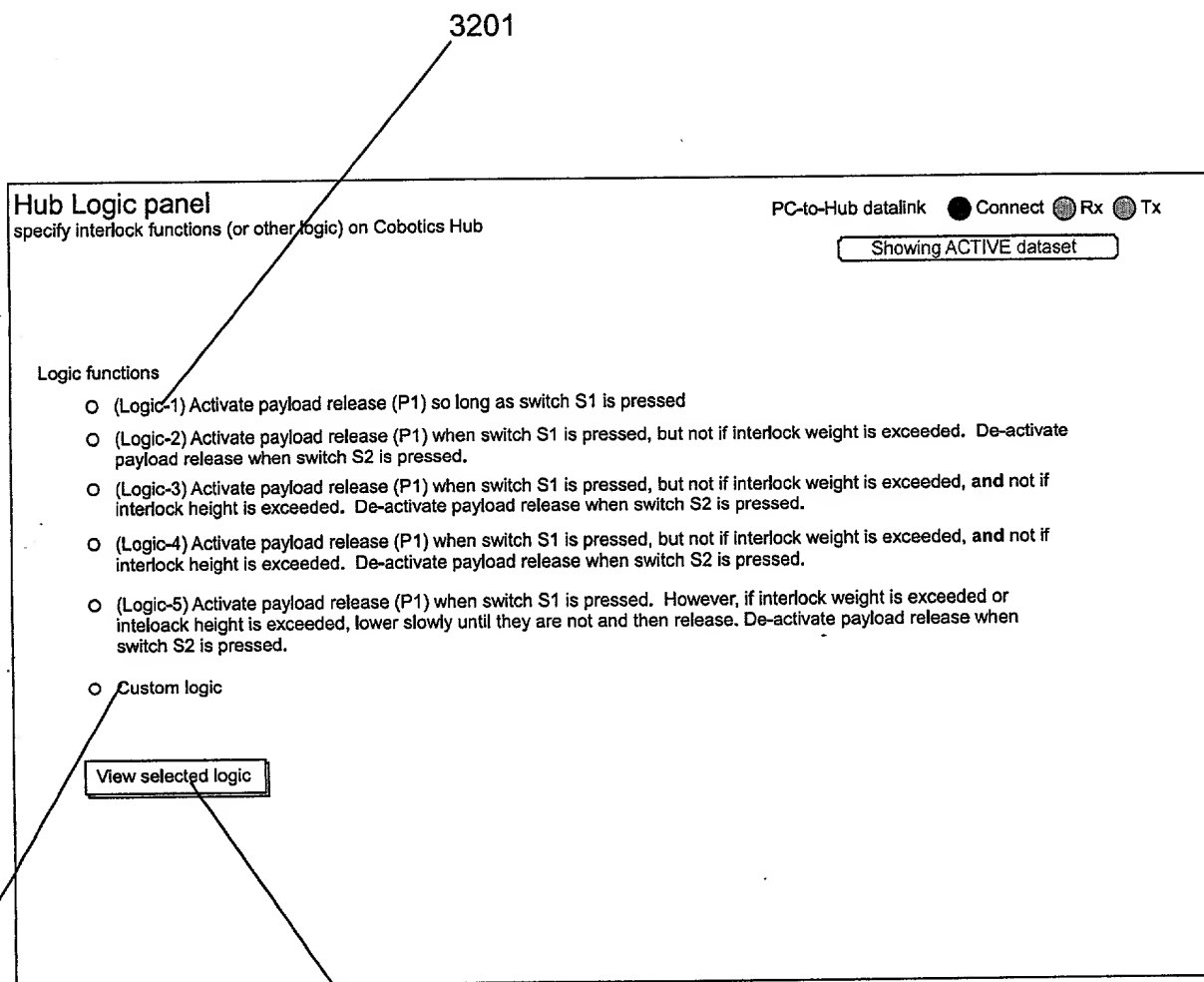
PC-to-Hub datalink ☐ Connect ☒ Rx ☒ Tx

Showing OFFLINE dataset

Set value ← Learn — Instant. value

Speed limit		1.25 m/s		
Acceleration limit		1.25 m/s ²		
Estimate of moving mass on bridge		1.25 kg	<input checked="" type="radio"/> Measure it by jogging bridge	
Estimate of moving mass on carriage		1.25 kg	<input checked="" type="radio"/> Measure it by jogging carriage	
Estimate of bridge length		1.25 m	<input checked="" type="radio"/> Measure it by skewing bridge	
Bridge skew null		1.25	← <input checked="" type="radio"/> jog+ <input checked="" type="radio"/> jog-	jog it straight, then "learn"
Cable angle sensor				
sensitivity		1.25		
deadband		1.25 %		
null		1.25, 1.25, 5.00	← <input checked="" type="radio"/>	2.1234 leave it vertical; then "learn"
Force bar				
sensitivity		1.25		
deadband		1.25 %		
null		1.25, 1.25, 5.00	← <input checked="" type="radio"/>	2.1234 don't touch it; then "learn"
End of travel limit runway (-Y)		1.25	← <input checked="" type="radio"/>	2.1234
End of travel limit runway (+Y)		1.25	← <input checked="" type="radio"/>	2.1234
End of travel limit bridge (-X)		1.25	← <input checked="" type="radio"/>	2.1234
End of travel limit bridge (+X)		1.25	← <input checked="" type="radio"/>	2.1234

Figure 32



09781801 091601

3202

3203

[illegible]

Figure 34

097034304 034100

3403 3402 3401

Profiles setup panel

all selections are subject to overall limits, on iLift & iTrolley pages

PC-to-Hub datalink ☒ Connect ☐ Rx ☐ Tx

Showing ACTIVE dataset

Profile ID	Owner name	iLift speed limit	acceleration limit	sensitivity	deadband	iTrolley speed limit	acceleration limit	sensitivity	deadband
MD	Default medium profile	min <input type="text"/> max	min <input type="text"/> max	min <input type="text"/> max	min <input type="text"/> max	min <input type="text"/> max	min <input type="text"/> max	min <input type="text"/> max	min <input type="text"/> max
HI	Default fast profile	min <input type="text"/> max	min <input type="text"/> max	min <input type="text"/> max	min <input type="text"/> max	min <input type="text"/> max	min <input type="text"/> max	min <input type="text"/> max	min <input type="text"/> max
SK	Steve Klostermeyer	min <input type="text"/> max	min <input type="text"/> max	min <input type="text"/> max	min <input type="text"/> max	min <input type="text"/> max	min <input type="text"/> max	min <input type="text"/> max	min <input type="text"/> max

Use default values ☐ LO ☐ MD ☐ HI ☐ Remove profile ☐ Add new profile

Use default values ☐ LO ☐ MD ☐ HI ☐ Remove profile ☐ Add new profile

Use default values ☐ LO ☐ MD ☐ HI ☐ Remove profile ☐ Add new profile

Instructions: Operators can select their individualized profile at the Hub. Move sliders to adjust feel. Slider values are relative to limits set on the iLift and iTrolley setup pages. You can set a profile to the LO, MD, or HI defaults by clicking a button.

3404

Figure 35

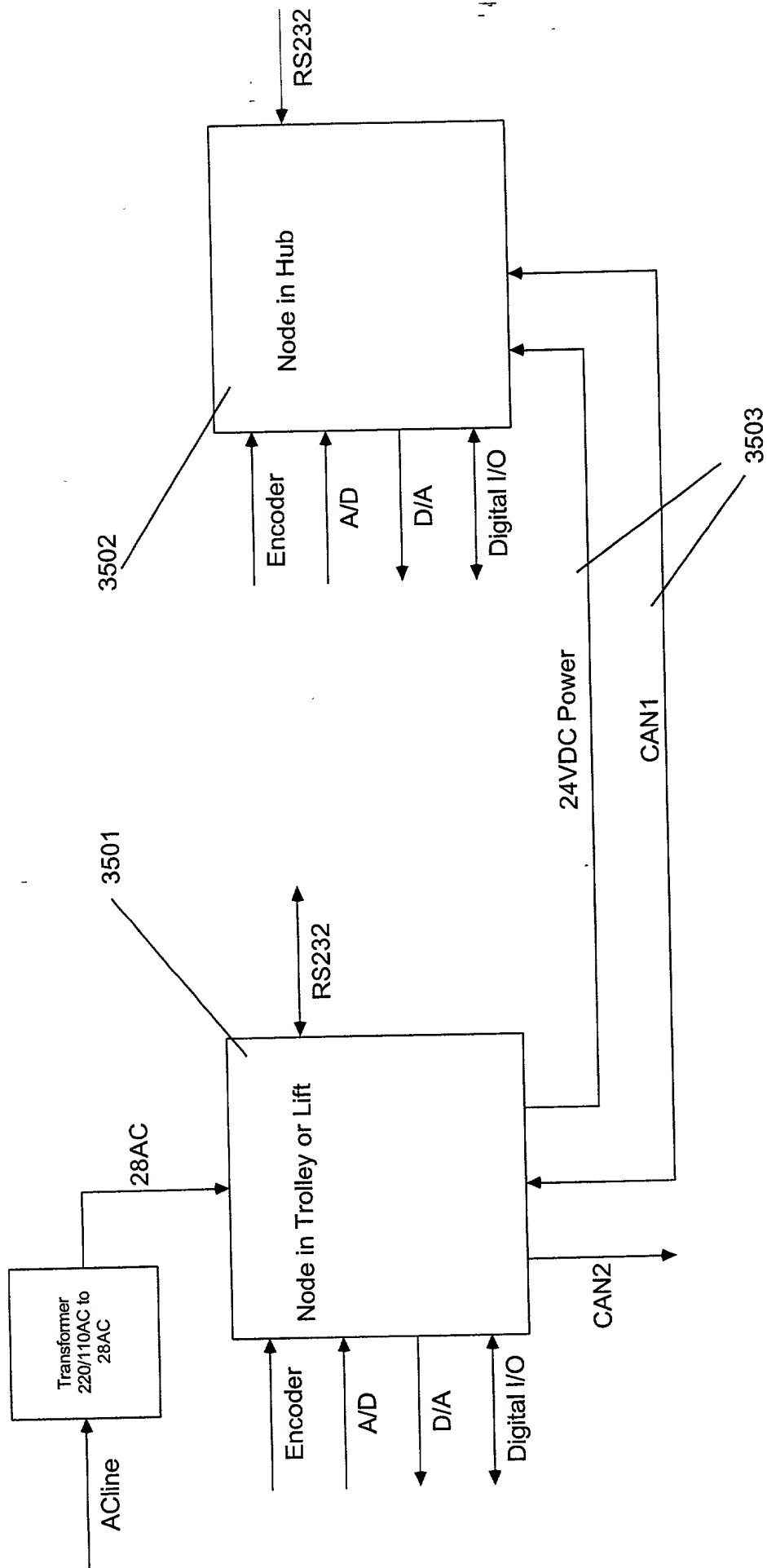


Figure 36

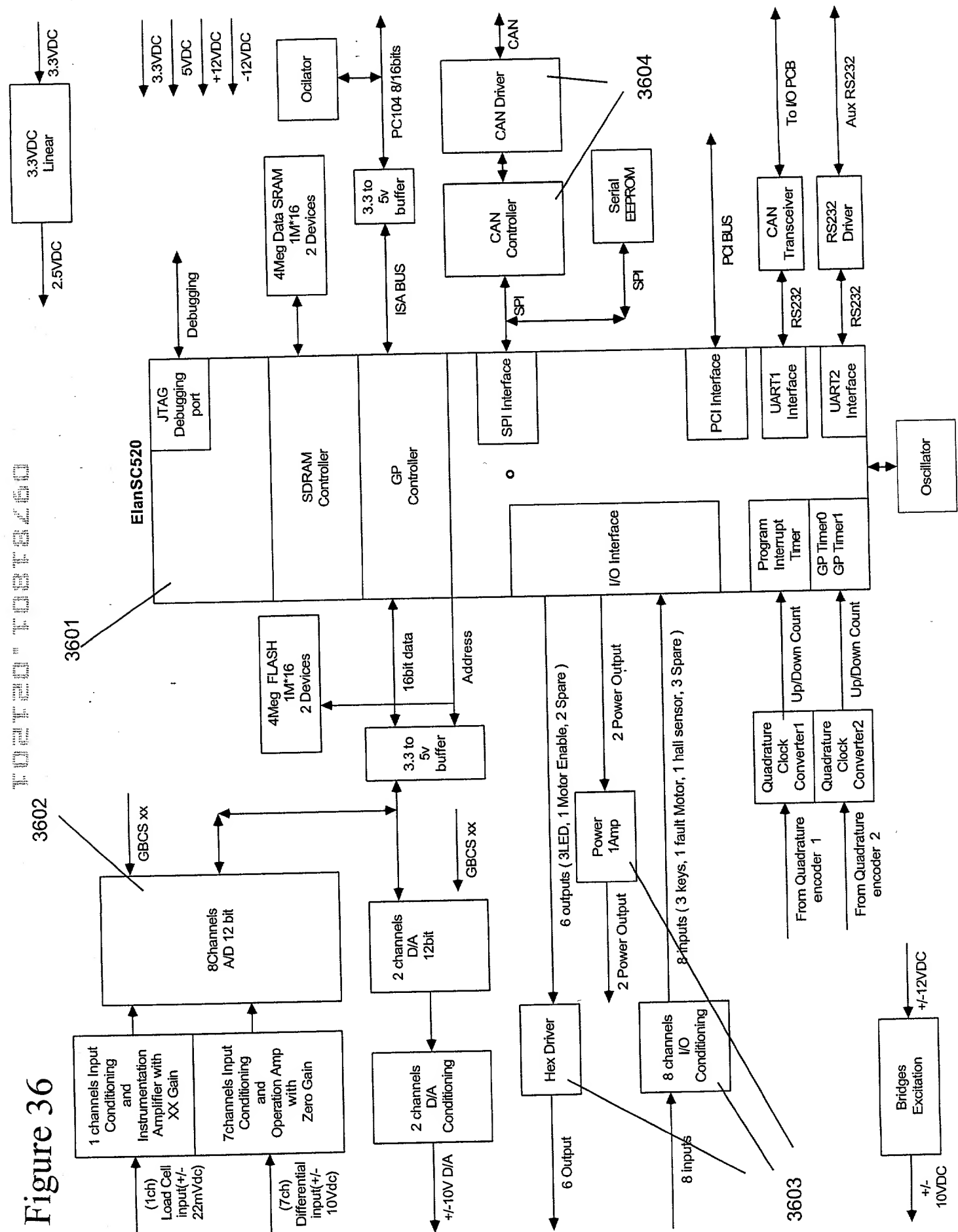


Figure 37

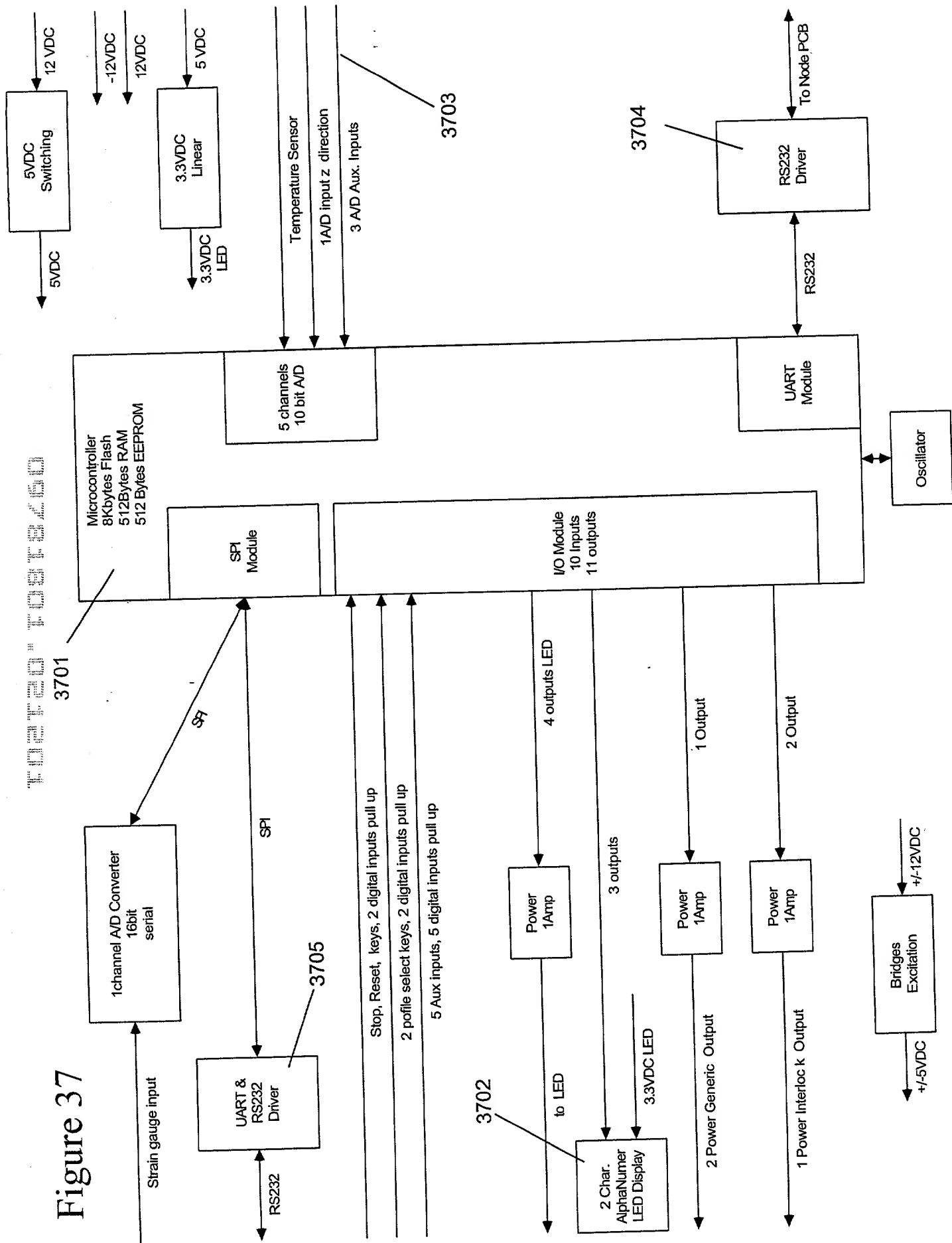


Figure 38

Field	Size (bytes)	Data Format	Description
SIZE	1	binary	Packet size.
DEVICE_ID	1	binary	Destination device ID.
CMD_TYPE	1	binary	Command type.
DATA	Variable	binary	Actual data associated with the CMD_TYPE field.
CHKSUM	1	binary	Checksum of the packet. This byte equals to the two's complement of the sum of the SIZE, DEVICE_ID, TYPE and DATA, omitting any carry.

00000000 00000000 00000000 00000000